

CITY OF WARWICK, RHODE ISLAND FIRE II PENSION FUND ACTUARIAL VALUATION AS OF JULY 1, 2015

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I. Purpose and Summary

This report presents the results of our July 1, 2015 actuarial valuation of the City of Warwick, Rhode Island Fire II Pension Fund. The valuation was performed at the request of the City of Warwick for purposes of determining the employer and member contribution rates for the City's fiscal year beginning July 1, 2016.

The total contribution level for the 2016-2017 fiscal year is 32.15% of covered earnings as compared to 33.29% of covered earnings determined by the previous valuation. In accordance with the City's ordinances, two-thirds of the cost (or 21.43% of earnings) will be met by the City, with the remaining one-third (or 10.72%) contributed by covered active members.

The member contribution rate of 10.72% is a blended rate between Tier I and Tier II members where the difference between the two is a constant 2.35%. Based on this difference and the size of the current population of active members, that produces a member contribution rate of 11.25% for Tier I members and 8.90% for Tier II members.

The development of the valuation results is shown in Tables 1 through 9 and is described in more detail on the following pages.

II. Membership Data

The City furnished data for active members as of December 31, 2014. The data was projected to July 1, 2015 for valuation purposes reflecting anticipated age, salary and benefit increases, with some data adjustment after data questions responded. Although we did not audit this data, we did review it for reasonableness and consistency with the data collected for the previous valuation (prepared as of July 1, 2014). Table 4 provides a distribution by age and service for active members. There were eight retirees as of June 30, 2015. There was no inactive, non-retired members entitled to a future retirement benefit or a future refund.

III. Plan Provisions

A summary of the principal plan provisions recognized for purposes of the valuation is provided in Table 9. There were no changes to this plan adopted since the last actuarial valuation.

IV. Assets

The City of Warwick furnished audited financial statements for the fiscal years ending June 30, 2015. Tables 3a, 3b, and 3c provide information about the composition of plan assets and the development of valuation assets.

The asset value used in the determination of the annual contribution level is set equal to the market value of assets, adjusted to phase in the difference between actual and expected investment return over five years, at 20% per year. As shown in Table 3c, the market value of assets on June 30, 2015 was \$49,536,540 while the valuation assets were \$49,682,745, or 100.3% of the market value.

As shown in Table 3b, the dollar-weighted rate of return on the market value of assets for FY 2015 was 1.66%. This return is net of all investment and administrative expenses.

V. Actuarial Methods and Assumptions

The results of the actuarial valuation are dependent on the actuarial assumptions used. Actual results can and almost certainly will differ, as actual experience deviates from the assumptions. Even seemingly minor changes in the assumptions can materially change the liabilities, calculated contribution rates and funding periods.

There were no changes to the assumptions and methods since the last actuarial valuation. We believe the assumptions are internally consistent and are reasonable, based on the actual experience of the City of Warwick, Rhode Island Fire II Pension Fund.

VI. Funding Policy

The plan is funded on an actuarially determined basis in accordance with the City's pension ordinances. The contribution amount determined by the July 1, 2015 valuation is projected with assumed base pay increases (3.50%) to determine the statutory contribution level for the 2016-2017 fiscal year.



VII. Analysis of Changes

The plan experienced an actuarial gain of \$259,355 over last year, which is very small in comparison to the size of the liabilities.

The funded ratio increased from 91.6% to 93.3%. The funded status measure alone is not appropriate for assessing the need for future contributions. Also, the funded status is not appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations

The following shows a reconciliation of the contribution rate from the prior valuation to the new rate set by this valuation. The large gain due to demographic experience is mostly the decrease in the normal cost for these new members being lower because of the Tier II benefit provisions.

Contribution rate set by prior valuation	33.29%
Demographic and payroll changes	(1.06)
Asset loss/(gain)	(0.08)
Contribution rate set by current valuation	32.15%

VIII. Future Expectations

With the Tier II benefit provisions for new hires, the normal cost (and ultimately the total contribution requirement) should being to trend slowly lower over the next decade as members in Tier I or in the Firefighters I Pension Fund who terminate or retire are replaced by members in Tier II. We commend the City for continuing to meet its actuarial contribution requirements as dictated by the approved funding policy. If the City continues to meet those obligations, we anticipate the funded ratio will increase consistently over the next 16 years.

IX. Certification

We certify that the information included herein and contained in this Actuarial Valuation Report is accurate and fairly presents the actuarial position of the City of Warwick, Rhode Island Firefighters II Pension Fund as of the valuation date.

All of our work conforms with generally accepted actuarial principles and practices, and to the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with the requirements of, where applicable, the Internal Revenue Code, ERISA, and the Statements of the Governmental Accounting Standards Board.

The undersigned are independent actuaries and consultants. Joseph P. Newton and Paul T. Wood are Members of the American Academy of Actuaries, and meet the Qualification Standards of the American Academy of Actuaries. Finally, both of the undersigned are experienced in performing valuations for large public retirement systems.

We are available to answer any questions in connection with this valuation of the plan or the information presented in this report.

Joseph P. Newton, FSA, EA, MAAA Senior Consultant Paul T. Wood, ASA, FCA, MAAA Consultant

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Valuation Results

		J	uly 1, 2015	J	uly 1, 2014
A. M	embership Data				
1.	Active members a. Number b. Expected covered payroll c. Average pay d. Average attained age	\$ \$	180 13,302,964 73,905 37.9	\$ \$	167 11,548,952 69,155 37.7
	e. Average past service		10.1		9.8
2.	Retired members and beneficiaries a. Numberb. Average benefitc. Average attained age	\$	8 50,091 46.8	\$	8 48,771 45.8
B. Li	abilities				
1.	 Actuarial accrued liability a. Active members b. Retired members and beneficiaries c. Inactive members d. Total 	\$	46,597,960 6,654,962 - 53,252,922	\$	39,521,405 6,539,197 - 46,060,602
2		·		·	, ,
2.	Valuation assets	\$	49,682,745	\$	42,195,568
3.	Unfunded actuarial accrued liability $[(1)(d) - (2)]$	\$	3,570,177	\$	3,865,034
4.	Funded Ratio [(2)/(1)(d)]		93.30%		91.61%
C. De	etermination of City Contribution				
1.	Normal cost with interest	\$	3,974,761	\$	3,530,605
2.	Amortization of unfunded liability (Table 2)	\$	302,744	\$	313,755
3.	Total annual contribution $[(1) + (2)]$	\$	4,277,505	\$	3,844,360
4.	Contribution as a percentage of covered payroll $[(3) / A(1)(b)]$		32.15%		33.29%
5.	City contribution as a percentage of payroll [2/3 x (4)]		21.43%		22.19%
6.	Average member contribution rate [(4) - (5)]		10.72%		11.10%
	a. Tier I Rate		11.25%		11.52%
	b. Tier II Rate		8.90%		9.17%



Summary of Amortization Bases

Date Established	Purpose	Initial Amount	Remaining Balance as of July 1, 2015	2015 - 2016 Amortization Payment*	Years Remaining as of July 1, 2015
7/14	Fresh Start, Offsetting of Prior Bases	\$ 3,865,034	\$ 3,829,532	\$ 324,737	16
7/15	Experience (Gain)/Loss	(259,355)	(259,355)	(21,993)	16
	Total		\$ 3,570,177	\$ 302,744	

 $^{\ ^{*}}$ Assuming payment made at the middle of the year.

Asset Information Composition of Fund as of June 30, 2015

		Market Value	Percentage of Total
1.	Cash and equivalents	\$ 2,384,341	4.8%
2.	Equities, including index funds	22,711,869	45.8%
3.	Fixed income investments	24,484,009	49.5%
4.	Receivables less payables	(43,679)	(0.1%)
5.	Total	\$ 49,536,540	100.0%

Asset Information Asset Reconciliation and Expected Returns

	FY 2012	FY 2013	FY 2014	FY 2015
1. Beginning of year market value	25,395,020	28,250,598	35,305,964	44,745,257
2. Contributions				
a. City	1,998,729	2,647,136	2,903,462	2,943,087
b. Member	999,364	1,323,567	1,451,731	1,471,544
c. Total	2,998,093	3,970,703	4,355,193	4,414,631
	_			
3. Benefits paid	(218,607)	(278,232)	(394,626)	(397,442)
4. Net return	76,092	3,362,895	5,478,726	774,094
5 End of manufacturalis	20 250 500	25 205 074	44745057	10.526.540
5. End of year market value	28,250,598	35,305,964	44,745,257	49,536,540
6. Net market return	0.28%	11.17%	14.69%	1.66%
7. Expected market value				
a. Beginning of year	25,395,020	28,250,598	35,305,964	44,745,257
b. Net cash flow	2,779,486	3,692,471	3,960,567	4,017,189
c. Earnings assumption	7.50%	7.50%	7.50%	7.50%
d. Expected earnings	2,008,857	2,257,263	2,796,469	3,506,539
e. Excess/(shortfall)	(1,932,765)	1,105,632	2,682,257	(2,732,445)

Development of Actuarial Value of Assets (Fire II)

Development of Actuarian value of Assets (Fire II)	Year Ending une 30, 2015
1. Market value of assets at beginning of year	\$ 44,745,257
2. Net new investments	
a. Contributionsb. Benefits paidc. Subtotal	\$ 4,414,631 (397,442) 4,017,189
3. Market value of assets at end of year	\$ 49,536,540
4. Net earnings (3-1-2)	\$ 774,094
5. Assumed investment return rate	7.50%
6. Expected return	\$ 3,506,539
7. Excess return (4-6)	\$ (2,732,445)

8. Development of amounts to be recognized as of June 30, 2015:

Fiscal	Rema	ining Deferrals								
Year	of Exc	cess (Shortfall) Offsetting of		N	let Deferrals	Years	Red	cognized for	Remaining after	
End	of Inve	stment Income	Gains/(Losses)		Remaining	Remaining	this valuation		this valuation	
	(1)		(2)	(3	=(1)+(2)	(4)	(5)	= (3)/(4)	(6)	= (3) - (5)
2011	\$	513,610	(513,610)	\$	0	1	\$	0	\$	0
2012		(773,106)	773,106		0	2		0		0
2013		663,379	(663,379)		0	3		0		0
2014		2,145,806	(2,145,806)		0	4		0		0
2015		(2,732,445)	2,549,689		(182,756)	5		(36,551)		(146,205)
	\$	(182,756)	\$ 0	\$	(182,756)		\$	(36,551)	\$	(146,205)

^{9.} Actuarial value of assets as of June 30, 2015 (Item 3 - Item 8)

10. Ratio of actuarial value to market value

100.3%

49,682,745

^{*}Values of \$0 result from the beginning balance being offset by future gains or losses in the opposite direction.

Distribution of Active Members by Age and by Years of Service As of July 1, 2015

Years of Credited Service

	Years of Credited Service												
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35 & Over	Total
Attained	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &	Count &
Age	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.	Avg. Comp.
Under 25	0	2	4	0	0	0	0	0	0	0	0	0	6
	\$0	\$51,876	\$61,564	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,334
25-29	0	7	15	0	0	12	0	0	0	0	0	0	34
	\$0	\$50,972	\$60,297	\$0	\$0	\$77,420	\$0	\$0	\$0	\$0	\$0	\$0	\$64,420
30-34	0	4	13	0	0	11	1	0	0	0	0	0	29
	\$0	\$51,876	\$59,958	\$0	\$0	\$76,583	\$75,343	\$0	\$0	\$0	\$0	\$0	\$65,680
35-39	0	0	0	0	0	5	21	0	0	0	0	0	26
	\$0	\$0	\$0	\$0	\$0	\$74,274	\$76,293	\$0	\$0	\$0	\$0	\$0	\$75,905
40-44	0	0	0	0	0	0	22	18	0	0	0	0	40
	\$0	\$0	\$0	\$0	\$0	\$0	\$78,585	\$83,890	\$0	\$0	\$0	\$0	\$80,972
45-49	0	0	0	0	0	0	10	19	1	0	0	0	30
	\$0	\$0	\$0	\$0	\$0	\$0	\$76,790	\$82,778	\$87,000	\$0	\$0	\$0	\$80,923
50-54	0	0	0	0	0	0	5	5	2	0	0	0	12
	\$0	\$0	\$0	\$0	\$0	\$0	\$75,434	\$80,621	\$101,141	\$0	\$0	\$0	\$81,880
55-59	0	0	0	0	0	0	2	1	0	0	0	0	3
	\$0	\$0	\$0	\$0	\$0	\$0	\$79,625	\$76,038	\$0	\$0	\$0	\$0	\$78,429
60-64	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
65 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	0	13	32	0	0	28	61	43	3	0	0	0	180
	\$0	\$51,389	\$60,317	\$0	\$0	\$76,529	\$77,224	\$82,836	\$96,427	\$0	\$0	\$0	\$73,905

History of Investment Return Rates

Year Ending	
June 30 of	Market
(1)	(2)
2000	28.23%
2001	-30.40%
2002	-13.11%
2003	3.75%
2004	13.73%
2005	8.23%
2006	7.71%
2007	14.05%
2008	-3.48%
2009	-16.90%
2010	13.14%
2011	20.89%
2012	0.28%
2013	11.17%
2014	14.69%
2015	1.66%
Average Returns:	
Last 5 Years	9.46%
Last 10 Years	5.77%

Near Term Outlook

	Ţ	Jnfunded				For Fiscal						
Valuation	1	Actuarial		Market Value	Employer	Year					Benefit	Net
as of	Accı	rued Liability	Funded	of Fund	Contribution	Ending	(Covered	Employer	Employee	Payments	External
July 1,	((UAAL)	Ratio	(in 000s)	Rate	June 30,	Con	npensation	Contributions	Contributions	and Refunds	Cash Flow
(1)		(2)	(3)	(4)	(5)			(6)	(7)	(8)	(9)	(10)
2015	\$	3,570,177	93.3%	\$ 49,536,540	21.4%	2016	\$	13,302,964	\$ 2,951,928	\$ 1,476,629	\$ 676,717	\$ 3,751,839
2016		3,407,311	94.4%	57,144,313	21.2%	2017		13,908,549	2,981,993	1,490,996	837,860	3,635,129
2017		3,332,455	95.1%	65,201,583	21.0%	2018		14,513,981	3,074,061	1,537,031	1,061,003	3,550,089
2018		3,221,097	95.8%	73,774,919	20.7%	2019		15,059,234	3,157,921	1,579,714	1,339,007	3,398,628
2019		3,068,039	96.4%	82,834,114	20.5%	2020		15,603,520	3,236,170	1,618,085	1,623,298	3,230,957
2020		2,861,630	97.0%	92,398,790	20.2%	2021		16,150,342	3,310,820	1,655,410	1,977,283	2,988,947

These projections are based on the current funding policy and assumes that all current assumptions are met each year in the future.

Schedule of Funding Progress

			Unf	unded Actuarial			
	Actuarial Value	Actuarial Accrued	Ac	crued Liability	Funded Ratio	Annual	UAAL as % of
Date	of Assets (AVA)	Liability (AAL)	(U.	AAL) (3) - (2)	(2)/(3)	Payroll	Payroll (4)/(6)
(1)	(2)	(3)		(4)	(5)	(6)	(7)
July 1, 2009	\$ 18,265,170	\$ 20,678,480	\$	2,413,310	88.3%	\$8,816,280	27.4%
July 1, 2011	24,781,826	31,782,763		7,000,937	78.0%	9,354,240	74.8%
July 1, 2013	34,394,949	41,218,696		6,823,747	83.4%	11,299,967	60.4%
July 1, 2014	42,195,568	46,060,602		3,865,034	91.6%	11,548,952	33.5%
July 1, 2015	49,682,745	53,252,922		3,570,177	93.3%	13,302,964	26.8%

Actuarial Methods and Assumptions

Actuarial Cost Method:

Entry Age Normal actuarial cost method. Under this method, the normal cost is the amount calculated as the level percentage of pay necessary to fully fund each active member's prospective benefit from entry age to retirement age. The total actuarial accrued liability, which is re-determined for each individual member as of each valuation date, represents the theoretical accumulation of all prior years' normal costs for the active members as if the present plan had always been in effect, plus the liability for any retirees or beneficiaries. The unfunded actuarial accrued liability represents the excess of the total actuarial accrued liability over the valuation assets.

Amortization Policy:

The amortization of the UAAL is determined as a level percentage of payroll over a closed period using the process of "laddering". Bases that existed prior to this valuation continue to be amortized on their original schedule. New experience losses are amortized over individual periods of 20 years. New gains are offset against and amortized over the same period as the current largest outstanding loss which in turn decreases contribution rate volatility.

Asset Valuation Method:

The actuarial value of assets is based on the market value of assets with a five-year phase-in of actual investment return in excess of (less than) expected investment income. Offsetting unrecognized gains and losses are immediately recognized, with the shortest remaining bases recognized first and the net remaining bases continue to be recognized on their original timeframe. Expected investment income is determined using the assumed investment return rate and the market value of assets (adjusted for receipts and disbursements during the year). The returns are computed net of administrative and investment expenses.

Actuarial Assumptions:

1. Interest

7.50% per year, net of investment and administrative expenses.

2. Salary Increases

The sum of (i) a 4.00% wage inflation assumption (composed of a 2.75% price inflation assumption and a 1.25% additional general increase), and (ii) a service-related component as shown below:

Police/Fire Employees			
Years of Service	Service-Related Component	Total Increase	
1	10.00%	14.00%	
2	9.00	13.00	
3	7.00	11.00	
4	4.00	8.00	
5	2.50	6.50	
6	3.00	7.00	
7	0.50	4.50	
8	0.50	4.50	
9 or more	0.00	4.00	

Salary increases are assumed to occur once a year, on January 1. Therefore the pay used for the period year following the valuation date is equal to the reported pay for the prior year, increased by the salary increase assumption. For employees with less than one year of service, the reported rate of pay is used rather than the fiscal year salary paid.

3. Mortality

- A. Pre-retirement mortality (combined ordinary and duty):
 - a. Male employees: 115% of the RP-2000 Combined Healthy for Males with White Collar adjustments, projected with Scale AA.
 - b. Female employees: 95% of the RP-2000 Combined Healthy for Females with White Collar adjustments, projected with Scale AA.
 - c. Disabled males 60% of the PBGC Table Va for disabled males eligible for Social Security disability benefits.
 - d. Disabled females 60% of the PBGC Table VIa for disabled females eligible for Social Security disability benefits.
- B. Pre-retirement mortality (combined ordinary and duty):
 - a. Male employees: 75% of RP-2000 Combined Healthy for Males with White Collar adjustments.
 - b. Female employees: 75% of RP-2000 Combined Healthy for Females with White Collar adjustments.

Sample rates are shown below:

Number of Deaths per 100			
Age	Males	Females	
25	0.03	0.02	
30	0.03	0.02	
35	0.04	0.03	
40	0.07	0.05	
45	0.10	0.08	
50	0.15	0.12	
55	0.25	0.19	
60	0.42	0.35	
65	0.83	0.65	
70	1.45	1.14	

4. Disability

Sample rates per 1,000 active members are shown below. Ordinary disability rates are not applied to members eligible for retirement.

	Number of Disabilities per 1,000		
Age	Ordinary, Males and Females	Accidental, Males and Females	
25	0.26	2.55	
30	0.33	3.30	
35	0.44	4.35	
40	0.66	6.60	
45	1.08	10.80	
50	1.82	18.15	
55	1.82	18.15	
60	1.82	18.15	
65	1.82	18.15	

5 . Termination:

Termination rates (for causes other than death, disability, or retirement) are a function of the member's service. Termination rates are not applied to members eligible for retirement. Rates are shown below:

Service	Termination Rate	Service	Termination Rate
1	0.100000	11	0.012761
2	0.047300	12	0.011332
3	0.036903	13	0.010026
4	0.030821	14	0.008826
5	0.026506	15	0.007714
6	0.023158	16	0.006679
7	0.020424	17	0.005711
8	0.018111	18	0.004802
9	0.016108	19	0.003944
10	0.014342	20+	0.000000

6. Retirement Age

Rates of retirement are based on an employee's length of service, as follows:

Fire II Members		
Service	Retirement Election	
25	50.0%	
26	16.0%	
27	18.0%	
28	20.0%	
29	20.0%	
30+	35.0%	

7. Benefit and Compensation Limits

Benefit limits under Section 415 and compensation limits under Section 401(a)(17) of the Internal Revenue Code are assumed to have no impact on benefits earned under this plan.

8. Marriage / Dependents

80% of active employees are assumed to be married at retirement or death, with two children ages 11 and 13. Wives are assumed to be three years younger than their husbands. No remarriage is assumed.

9. Service Purchase

None assumed.

10. Administrative and Investment Expenses

None. The 7.50% investment return assumption represents the assumed return net of all investment and administrative expenses.

Outline of Principal Plan Provisions

1. Effective Dates:

a. Original Plan May 29, 1992.

2. Eligibility: All permanent members of the fire department hired on or after

May 29, 1992.

3. Tier: Members who hire by June 30, 2012 are in Tier I, while

members who join later are in Tier II.

4. Final Average Salary(FAC): Tier I: Salary received in the highest year of creditable service.

Tier II: Average of the salaries received in the last three years

of creditable service.

For pension purposes, annual salary includes regular, holiday,

and longevity pay.

5. Retirement:

a. Eligibility Tier I: Members who have completed 20 years of service may

retire.

Tier II: Members attain age 50 or older and with at least 25

years of service may retire.

b. Benefit Formula Tier I: The annual benefit at retirement is equal to 50% of annual

salary at retirement, plus 2% of annual salary for each year of service between 20 and 25, plus 3% of annual salary for each

year of service between 25 and 30.

Tier II: 2% of FAC times years of service.

c. Maximum Benefit Tier I: 75% of FAC.

Tier II: 70% of FAC.

d. Commencement Date

Retirement benefits commence as of the first payroll period after

retirement.

e. Form of Payment The annual benefit calculated in accordance with the formula in

(b) above is payable semi-monthly for the remainder of the retired member's life, with 67.5% of the member's benefit

payable for the lifetime of his surviving spouse.

4. Vested Termination:

a. Eligibility Upon termination of employment after 10 years of service a

member is eligible for a benefit deferred to retirement age.

b. Benefit Formula 2.5% of average salary multiplied by full years of service at

termination.

c. Commencement Date 20th anniversary of employment.

d. Form of Payment Same as retirement.

5. Disability Retirement:

a. Eligibility A member who is unable to perform active duty as a result of

disability which the Board of Public Safety finds to be permanently incapacitating is eligible to receive disability

retirement benefits.

b. Benefit Formula Service Related For Tier I members, the benefit would be equal

to 66-2/3% of highest annual salary, reduced for each dollar of earned income in excess of the salary the member would earn as an active employee, to a minimum of 50% of salary. For <u>Tier II</u> members, the benefit would initially be the same, but once the member reached 25 years of service, including service while disabled, the benefit would be converted to a regular retirement benefit. (The age 50 minimum for retirement would not apply

to this benefit.)

Other Service Related and Non-Service Related 50% of average

salary.

c. Commencement Date Benefits commence as of the first payroll period after disability.

d. Form of Payment Same as retirement.

6. Non-vested Termination

of Employment: A member who leaves employment prior to completing 10 years

of service will receive a lump sum payment of his accumulated

contributions without interest.

7. Death Before Retirement -- Survivor Annuity Benefits

a. Eligibility Death while actively employed.

b. Benefit Formula

(1) Surviving spouse <u>Service Related</u>. The annual benefit is 50% of the deceased

member's average salary, payable to the surviving spouse until

death or earlier remarriage.

Non-Service Related. 30% of the deceased member's average

salary, payable to the surviving spouse until death or earlier

remarriage.

(2) Surviving children 10% of the deceased member's average salary, payable to each

surviving child until his 18th birthday (or for life if such child

becomes permanently disabled prior to the member's death).

(3) Maximum family death benefit

Service Related. 75% of deceased's average salary.

Non-Service Related. 50% of deceased's average salary.

c. Commencement Date Benefits commence as of the first payroll period after death.

d. Form of Payment Surviving spouse's and children's benefits are payable semi-

monthly.

8. Death Before Retirement
-- Lump Sum Refund of
Contributions

A lump sum payment equal to the member's accumulated contributions without interest shall be paid to the estate of any active member who dies with no surviving spouse or children.

9. Retiree Cost-of-Living Increases

<u>Tier I</u>: All benefits in pay status are increased by 3% annually. <u>Tier II</u>: All benefits in pay status are increased by 75% of CPI, annual cap of 3%.

10. Service Purchase

For Tier I member, an active employee eligible to retire who has served in the U.S. armed forces may "purchase" additional years of service up to his number of years of military service, but no more than four years. A member may also purchase up to four years of prior civilian employment time with the City of Warwick. Either purchase would require the employee to contribute to the fund, at retirement, an amount which represents the actuarial equivalent value of the benefit increase purchased. However, the right to buy municipal service would be eliminated for Tier II members.

11. Employee Contributions

Members contribute a percentage of their covered earnings (regular, holiday, and longevity) equal to one third of the actuarially determined contribution rate.